

IN THE CLAIMS:

Please amend the claims as follows:

1. (Cancelled)
2. (Currently Amended) The device of claim [[1]] 8 wherein the selected electrogram feature is at least one of an ST segment and a T wave.
3. (Currently Amended) The device of claim [[1]] 8 wherein the normalizing factor is one of an R wave amplitude and an R wave amplitude difference.
4. (Currently Amended) The device of claim [[1]] 8 wherein the normalizer is a divider and wherein the divider further divides the integral by [[the]] a time duration of the selected feature.
5. (Currently Amended) The device of claim [[1]] 8 wherein the sensing circuit and processor are enclosed within a conductive case and wherein the at least two electrodes include the case.
6. (Original) The device of claim 5 wherein the at least two electrodes further include one of a ring electrode and a tip electrode.
7. (Currently Amended) The device of claim [[1]] 8 wherein the at least two electrodes are a ring electrode and a tip electrode.

8. (Currently Amended) ~~The device of claim 1~~ An ischemia detecting device comprising:

at least two electrodes that sense cardiac activity of a heart;

a sensing circuit coupled to the at least two electrodes that provides an electrogram of the sensed cardiac activity;

a processor comprising an integrator that provides an integral of a selected feature of the electrogram and a normalizer that normalizes the integral by a normalizing factor to provide an electrogram feature score; and

an analyzer that provides an ischemia indication when the electrogram feature score satisfies a given criteria,

wherein the at least two electrodes provide a plurality of cardiac activity sensing electrode configurations resulting in a plurality of electrograms and electrogram feature scores, wherein the processor further comprises a combiner that provides a combined electrogram feature score, and wherein the analyzer analyzes the combined electrogram feature score.

9. (Original) The device of claim 8 wherein the combiner is a summer that adds the electrogram feature scores to provide the combined electrogram feature score.

10. (Original) The device of claim 8 wherein the combiner selects a maximum one of the electrogram feature scores as the combined electrogram feature score.

11. (Original) The device of claim 8 wherein the normalizer normalizes the combined electrogram feature score by a second normalizing factor.

12. (Original) The device of claim 9 wherein the second normalizing factor is heart rate.

13. (Original) The device of claim 8 wherein the analyzer applies a threshold metric to the combined electrogram feature score.

14. (Original) The device of claim 13 wherein a combined electrogram feature score is provided by the device for each one of a plurality of cardiac cycles, and wherein the device further comprises a reporter that reports a percentage of the combined feature scores which exceed the threshold metric.

15. (Original) The device of claim 8 wherein the analyzer provides a continuous metric of the combined electrogram feature scores.

16. (Original) The device of claim 8 further comprising a classifier that classifies the combined electrogram feature scores by one of heart rate, posture and activity level.

17. (Currently Amended) An ischemia detecting device comprising:
sensing means for sensing cardiac activity from a plurality of electrodes to provide [[an electrogram]] a plurality of electrograms of the sensed cardiac activity;
integrating means for integrating a selected feature of the plurality of electrograms [[electrogram]] to provide [[an integral]] a plurality of integrals;
normalizing means for normalizing the [[integral]] plurality of integrals by a normalizing factor to provide [[an]] a plurality of electrogram feature [[score]] scores;
a combiner that provides a combined electrogram feature score; and
detecting means for detecting ischemia when the combined electrogram feature score satisfies a given criteria

18. (Cancelled)

19. (Currently Amended) [[The method of claim 18]] In a cardiac monitoring device, a method of detecting ischemia of a heart comprising:
sensing cardiac activity of the heart to provide an electrogram of the cardiac activity;
integrating a selected feature of the electrogram to provide an integral;
normalizing the integral by a normalizing factor to provide an electrogram feature score; and
providing an ischemia indication when the electrogram feature score satisfies a given criteria, wherein sensing comprises providing a plurality of electrograms, and wherein the method further comprises providing a like plurality of electrogram feature scores and combining the electrogram feature scores to provide a combined electrogram feature score, and wherein providing comprises analyzing the combined electrogram feature score.